Fifty-Second Meeting

of the

American Electrochemical Society

Northwestern Trip

Sept. 4-21

1927

LOCAL COMMITTEE

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GENERAL INFORMATION

For the Northwestern Trip of the American Electrochemical Society, a special train will leave Chicago (Union Station) at 6:30 P. M., Sunday, September 4th.

Railroad tickets (except sidetrips and Pullman) should be secured from local agents via route desired to Chicago and from there via route of the tour, as shown on page 2.

The cost of sleeping car accommodations, sidetrips, and dining car meals should be remitted to the American Electrochemical Society, as shown under the head of "Costs." The amounts specified will include the particular kind of sleeping car accommodations desired, the cost of the sidetrips to be made, occupancy of the cars at all points where shown and expense of the entire day at Glacier National Park.

Route of Train from Chicago

Chicago, Burlington & Quincy R. R.—Chicago to St. Paul.
Northern Pacific Railway—St. Paul to Seattle.
Canadian Pacific SS Company—Seattle to Vancouver.

RETURNING

Great Northern Railway—Vancouver to Seattle.
Great Northern Railway—Seattle to Billings.
Chicago, Burlington & Quincy R. R.—Billings to Chicago.

Pullman, Sidetrips and Meals

One person in an upper berth	$149.70
One person in a lower berth	159.70
Two persons in a Compartment....each	189.70
Two persons in a Drawing room....each	209.70
Three persons in a Drawing room..each	174.70

All requests for Pullman reservations on this train should be made to the American Electrochemical Society, Columbia University, New York City, stating the particular kind of sleeping car accommodations desired. On receipt of remittance, space will be assigned and a membership card will be mailed direct.

Baggage

All members and guests are strongly urged to confine their baggage to hand bags. Trunks are most cumbersome and undesirable. No formal dress required at any of the meetings or functions. Special baggage tags will be sent you on receipt of your reservation. Print your name and home address plainly on these tags and attach a tag to each piece of baggage.

Technical Sessions

There will be three technical sessions held during the trip. The first one at Minneapolis, Sept. 5th, at the School of Chemistry, University of Minnesota. The second will be held at Georgia Hotel, Vancouver, B. C., September 12th, and the third at Keokuk, Iowa, September 20th, following a dinner at the Y. W. C. A.

Typewritten Discussion

Members wishing to present written discussion on any of the technical papers listed in this program are requested to submit three copies of each to the American Electrochemical Society, Columbia University, NewYork City.

NOTES

Program and Itinerary

September 4

Leave Chicago, Union Station, 6:30 P. M.

September 5

Minneapolis, Dr. Chas. A. Mann, Local Committeeman.

8:30 A. M. Auto drive about Twin Cities.

10:30 A. M. Visit to Campus, Ore-testing Laboratories and Bureau of Mines.

12:00 noon. Picnic lunch at University Farm (guests of the University).

2:00 P. M. Scientific session at the School of Chemistry.

Papers

S. C. Lind and George Glockler: "The Chemical Effect of Electrical Discharge in Ethane."

S. E. Sheppard: "The Electrodeposition of Rubber."

NOTES

J. Slepian: "Thin Film Rectifiers."

Remo Catani: "The Calculation of Electric Furnaces."

6:00 P. M. Dinner downtown with dancing (Dutch Treat).

September 6

En Route, Mrs. Colin G. Fink, Chairman of Entertainment en route Committee.

September 7

Butte, Prof. G. A. Roush, Local Committeeman.

*7:45 A. M. Around Mining Section and down Leonard Mine.

12:00 noon. Leave for Anaconda.

Anaconda, F. F. Frick, Local Committeeman.

1:30 P. M. Montana Hotel for Lunch.

*3:00 P. M. Return to train, taken to high-line of Reduction Works. With guides proceed through Copper Concentrator, Roaster Plant, Reverberatory Plant, and Convertor Plant.

September 8

Wallace, J. J. Day, Local Committeeman.

8:00 A. M. Autos meet party at train. Half of party to Mullan, guests of Federal Mining & Smelting Co. Two miles underground in Morning Mine by electric train. Inspection of Morning Mill. Lunch.

Half of party to Burke, guests of Hecla Mining Co. Down Hecla shaft to 2,000 ft. level where connection is made with Star Mine through 10,000 ft. tunnel. Inspection of mill and tailings plant. Lunch.

Hercules Concentrator will be open to any of the party who prefer this to the longer trips.

Golf at Shoshone Links optional during trips to Wallace and Kellogg.

Kellogg, U. C. Tainton, Local Committeeman.

2:50 P. M. Guests of Bunker Hill & Sullivan Co. Inspect Lead Smelter and Refinery, followed by visit to Tainton Plant and new

Zinc plant now in course of construction.

6:00 P. M. Shoshone Country Club for picnic dinner, followed by entertainment.

September 9

Spokane, L. K. Armstrong, Local Committeeman.

8:30 A. M. Drive to Long Lake Power Development of Washington Water Power Co. Box lunch served.

6:00 P. M. Dinner at Davenport Hotel (Dutch treat) Moving picture of Columbia Basin Irrigation Project.

September 10

Seattle, W. R. Gailey, Local Committeeman.

10:00 A. M. Auto caravan private cars meet train. Proceed to Snoqualmie Falls for lunch. Inspect Power Plant and Snoqualmie Falls Lumber Co. Returning, stop at Univ. of Washington, inspect Mines

Bldg., U. S. Bureau of Mines Station. Tour Campus. Dinner at Olympic Hotel (Dutch Treat) followed by short program.

September 11

Canadian Pacific Steamer to Vancouver

Vancouver, Frank A. Woodside, Local Committeeman.

6:00 P. M. Local Committee to meet boat. Dinner at Georgia Hotel.

September 12

9:30 A. M. Auto trip about city to University. Lunch with Mayor and Civic officials in Stanley Park. Boat trip showing wharves, docks, industrial locations, etc., in Vancouver Harbor or visit to Electrochemical plant being operated in conjunction with the British Columbia Electric Railway at Lake Buntzen.

7:30 P. M. Scientific Session.

Papers

David Caeser: The Electrolytic Preparation of Para-Aminophenol.

Colin G. Fink and Chas. L. Mantell: A Laboratory Hydrogen-Oxygen Generator.

September 13

Tye. Stop to view new Cascade Tunnel, 7.70 miles long.

September 14

Trail, B. C., F. E. Lee, Local Committeeman.

9:00 A. M. Tour of Plant: Lead, Copper and Zinc smelters and Electrolytic Refining. Power substation.

1:30 P. M. Guests of Consolidated Mining & Smelting Co. in I. O. O. F. Hall.

3:00 P. M. Rest and Leisure.

4:30 P. M. Bonnington Power Plant.

September 15

Glacier National Park

6:00 P. M. Dinner and lodging at Glacier Park Hotel.

September 16

Breakfast at Hotel. Leave by auto at 8:00 A. M. to St. Mary Chalets. Launch trip to Going-to-the-Sun Chalets.

September 17

Shelby, J. A. Johnson, Local Committeeman.

8:00 A. M. Auto trip to Kevin-Sunburst Oilfield. Lunch.

Great Falls, E. S. Bardwell, Local Committeeman.

7:00 P. M. Visit to Copper Rod & Wire Mill. Meeting and Entertainment in Palm Room, Hotel Rainbow.

September 18

8:30 A. M. Copper Refineries and Zinc Plant.

11:30 A. M. Volta and Rainbow Plants, Montana Power Co. Picnic Luncheon.

September 19

En Route, Mrs. Colin G. Fink, Chairman of Entertainment En Route Committee.

September 20

Keokuk, T. F. Wettstein, Local Committeeman.

*3:00 P. M. Plant of Mississippi River Power Co. Dinner at Y. W. C. A., followed by:

SCIENTIFIC SESSION

Papers

A. Kenneth Graham: A Study of the Influence of Variables on the Structure of Electrodeposited Cooper.

O. P. Watts: Anofes for Chromium Plating.

I. J. Moltkehansen: The Electrochemical and electrometallurgical industries in Norway (1902–1927).

September 21

Arrive Chicago, 10:35 A. M. In time to make connections to all points East.

*Optional program for ladies.

NOTES

NOTES

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